

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Daniel Howell Examiner #: 60303 Date: 2-2-04  
 Art Unit: 3722 Phone Number 308-1728 Serial Number: 09/159584 Reissue 09/8782  
 Mail Box and Bldg/Room Location: CP2/10D16 Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Two piece rotary metal cutting tool and method for interconnecting the two

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LITIGATION SEARCH  
for US 5,971,673

## STAFF USE ONLY

Searcher: <u>Solomon</u>	Type of Search	Vendors and cost where applicable
Searcher Phone #: <u>305-5932</u>	NA Sequence (#) _____	STN _____
Searcher Location: <u>CP2 2C08</u>	AA Sequence (#) _____	Dialog _____
Date Searcher Picked Up: <u>2-3-04</u>	Structure (#) _____	Questel/Orbit <u>\$22.95</u>
Date Completed: <u>2-3-04</u>	Bibliographic _____	Dr.Link _____
Searcher Prep & Review Time: <u>6</u>	Litigation <u>✓</u>	<u>Lexis/Nexis</u>
Clerical Prep Time: _____	Fulltext _____	Sequence Systems _____
Online Time: <u>5</u>	Patent Family _____	WWW/Internet _____
	Other _____	Other (specify) _____



# STIC Search Report

## EIC 3700

STIC Database Tracking Number: 113387

TO: Daniel Howell  
Location: cp2 10d16  
Art Unit: 3722  
Tuesday, February 03, 2004

Case Serial Number: 09/878240

From: Terry Solomon  
Location: EIC 3700  
CP2-2C08  
Phone: 305-5932

Terrance.solomon@uspto.gov

### Search Notes

No litigation found.

Sources: Lexis/Nexis and Questel-Orbit

159584 (00) 5971673 October 26, 1999

109C25

Print Request: Current Document: 1

Time of Request: February 03, 2004 08:52 AM EST

Research Information:

Utility, Design and Plant Patents  
patno=5971673

## UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5971673

October 26, 1999

Two-piece rotary metal-cutting tool and method for interconnecting the pieces

**REISSUE:** Reissue Application filed May 12, 2001 (O.G. Aug. 14, 2001) Ex. Gp.: 3722; Re. S.N. 09/878,240, (O.G. August 14, 2001)

**APPL-NO:** 159584 (00)

**FILED-DATE:** September 24, 1998

**GRANTED-DATE:** October 26, 1999

**LEGAL-REP:** Burns, Doane, Swecker & Mathis, L.L.P.

**ENGLISH-ABST:**

A tool includes a tool body and a cutting portion detachably mounted thereon, the tool being rotatable about a longitudinal center axis. The tool body includes flutes formed in an outer surface thereof, and a pair of forward projections at a front end thereof. The cutting portion includes front flutes formed in an external side thereof, and a pair of recesses extending circumferentially in communication with respective ones of the front flutes. To connect the cutting portion to the tool body, the cutting portion and tool body are converged longitudinally so that the projections enter the front flutes. Then, relative rotation is produced between the cutting portion and tool body to align the front flutes with the rear flutes while causing the projections to enter the recesses and form therewith a bayonet coupling.

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database

**\*\* SS 1: Results 1**

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5971673 A 19991026 [US5971673]  
TI - (A) Two-piece rotary metal-cutting tool and method for  
interconnecting the pieces  
PA - (A) SECO TOOLS AB (SE)  
PAO - Seco Tools AB, Fagersta [SE]  
IN - (A) BERGLUND MATTIAS (SE); LUNDBERG FREDRIK (SE); SVENSSON  
INGELA (SE)  
AP - US15958498 19980924 [1998US-0159584]  
FD - Cont. of US929462 19970915 [1997US-0929462]  
PR - SE9603325 19960913 [1996SE-0003325]  
US15958498 19980924 [1998US-0159584]  
US92946297 19970915 [1997US-0929462]  
IC - (A) B23B-051/00  
EC - B23B-051/02  
PCL - ORIGINAL (O) : 408001000R; CROSS-REFERENCE (X) : 076108600  
408144000 408226000 408230000 408231000  
DT - Basic  
CT - US-932071; US2259611; US2935906; US3359837; US3548688; US4950108;  
US5399051; EP0118806; DE367010  
STG - (A) United States patent  
AB - A tool includes a tool body and a cutting portion detachably  
mounted thereon, the tool being rotatable about a longitudinal  
center axis. The tool body includes flutes formed in an outer  
surface thereof, and a pair of forward projections at a front end  
thereof. The cutting portion includes front flutes formed in an  
external side thereof, and a pair of recesses extending  
circumferentially in communication with respective ones of the  
front flutes. To connect the cutting portion to the tool body, the  
cutting portion and tool body are converged longitudinally so  
that the projections enter the front flutes. Then, relative  
rotation is produced between the cutting portion and tool body to  
align the front flutes with the rear flutes while causing the  
projections to enter the recesses and form therewith a bayonet  
coupling.

1 / 1 LGST - @EPO  
PN - US5971673 A 19991026 [US5971673]  
AP - US15958498 19980924 [1998US-0159584]  
ACT - 20010814 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010512  
UP - 2003-22

1 / 1 CRXX - @CLAIMS/RRX  
PN - 5,971,673 A 19991026 [US5971673]  
PA - Seco Tools AB SE  
ACT - 20010512 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010814  
REISSUE REQUEST NUMBER: 09/878240  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3722

Reissue Patent Number:

Selected file: INPADO

You are now connected to INPADO  
Covers 1968/1973 thru weekly updates (2004-05)

**\*\* SS 1: Results 16**

1 / 16 INPADO - ©INPADO

PN - CN 1086619 B 20020626 [CN1086619]  
TI - TOOL FOR CUTTING MACHINING AND ASSEMBLY METHOD THEREOF  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB [SE]  
AP - CN 97191245/97-A 19970909 [1997CN-0191245]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00; B23B-051/02

2 / 16 INPADO - ©INPADO

PN - CN 1204976 A 19990113 [CN1204976]  
TI - TOOL FOR CUTTING MACHINING  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB [SE]  
AP - CN 97191245/97-A 19970909 [1997CN-0191245]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00; B23B-051/02

3 / 16 INPADO - ©INPADO

PN - DE 69726835 C0 20040129 [DE69726835]  
TI - WERKZEUG FR SCHNEIDMASCHINEN  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB PUBL FAGERSTA [SE]  
AP - DE 69726835/97-A 19970909 [1997DE-6026835]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]  
IC - B23B-051/00; B23B-051/02

1 / 1 LEGALI - ©EPO

PN - EP0874706 A1 19981104 [EP-874706]EP0874706 B1 20031217 [EP-874706]  
AP - EP97940513 19970909 [1997EP-0940513]  
ACTE- 19981104 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

19981104 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 19980219

20000126 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 19991214

20030813 EP/RIN1-A  
INVENTOR (CORRECTION)  
BERGLUND, MATTIAS

20030813 EP/RIN1-A  
INVENTOR (CORRECTION)  
LUNDBERG, FREDRIK

20030813 EP/RIN1-A  
INVENTOR (CORRECTION)  
SVENSSON, INGELA

20031217 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

20031217 EP/REG-A; GB/FG4D [+]  
GB: EUROPEAN PATENT GRANTED  
<GB>

20040129 EP/REF-A  
CORRESPONDS TO:  
(DE 69726835 20040129 [DE69726835])  
UP - 2004-05

4 / 16 INPADOC - ©INPADOC  
PN - EP 1013367 A2 20000628 [EP1013367]  
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING  
THE PIECES  
LA - ENG  
IN - BERGLUND MATTIAS [SE]; SVENSSON INGELA [SE]; LUNDBERG FREDRIK [SE]  
PA - SECO TOOLS AB [SE]  
AP - EP 99123415/99-A 19970909 [1999EP-0123415]  
PR - EP 97940513/97-A3 19970909 [1997EP-0940513]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/02; B23B-051/04  
DS - DE\* FR\* GB\* IT\* SE\*

1 / 1 LEGALI - ©EPO  
PN - EP1013367 A2 20000628 [EP1013367]EP1013367 A3 20030709 [EP1013367]  
AP - EP99123415 19970909 [1999EP-0123415]  
ACTE- 20000628 EP/AC-A  
DIVISIONAL APPLICATION (ART. 76) OF:  
(EP 874706 [EP-874706])  
20000628 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE  
20030709 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE  
UP - 2004-01

5 / 16 INPADOC - ©INPADOC  
PN - EP 1013367 A3 20030709 [EP1013367]  
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING  
THE PIECES  
LA - ENG  
IN - BERGLUND MATTIAS [SE]; SVENSSON INGELA [SE]; LUNDBERG FREDRIK [SE]

PA - SECO TOOLS AB [SE]  
AP - EP 99123415/99-A 19970909 [1999EP-0123415]  
PR - EP 97940513/97-A3 19970909 [1997EP-0940513]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/02; B23B-051/04  
DS - DE\* FR\* GB\* IT\* SE\*

1 / 1 LEGALI - @EPO

PN - EP1013367 A2 20000628 [EP1013367]EP1013367 A3 20030709 [EP1013367]  
AP - EP99123415 19970909 [1999EP-0123415]  
ACTE- 20000628 EP/AC-A  
DIVISIONAL APPLICATION (ART. 76) OF:  
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20000628 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

20030709 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

UP - 2004-01

6 / 16 INPADOC - @INPADOC

PN - EP 874706 B1 20031217 [EP-874706]  
TI - TOOL FOR CUTTING MACHINING  
OUTIL POUR MACHINE DE COUPE  
WERKZEUG FR SCHNEIDMASCHINEN  
LA - ENG  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB PUBL [SE]  
AP - EP 97940513/97-A 19970909 [1997EP-0940513]  
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00; B23B-051/02  
DS - DE\* FR\* GB\* IT\* SE\*

1 / 1 LEGALI - @EPO

PN - EP0874706 A1 19981104 [EP-874706]EP0874706 B1 20031217 [EP-874706]  
AP - EP97940513 19970909 [1997EP-0940513]  
ACTE- 19981104 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

19981104 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 19980219

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EFFECTIVE DATE: 19991214

20030813 EP/RIN1-A  
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BERGLUND, MATTIAS

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LUNDBERG, FREDRIK

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INVENTOR (CORRECTION)  
SVENSSON, INGELA

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20031217 EP/REG-A; GB/FG4D [+]  
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20040129 EP/REF-A  
CORRESPONDS TO:  
(DE 69726835 20040129 [DE69726835])

UP - 2004-05

7 / 16 INPADOC - ©INPADOC  
PN - EP 874706 A1 19981104 [EP-874706]  
TI - TOOL FOR CUTTING MACHINING  
LA - ENG  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB PUBL [SE]  
AP - EP 97940513/97-A 19970909 [1997EP-0940513]  
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00; B23B-051/02  
DS - DE\* FR\* GB\* IT\* SE\*

1 / 1 LEGALI - ©EPO  
PN - EP0874706 A1 19981104 [EP-874706]EP0874706 B1 20031217 [EP-874706]  
AP - EP97940513 19970909 [1997EP-0940513]  
ACTE- 19981104 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

19981104 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 19980219

20000126 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 19991214

20030813 EP/RIN1-A  
INVENTOR (CORRECTION)  
BERGLUND, MATTIAS

20030813 EP/RIN1-A  
INVENTOR (CORRECTION)  
LUNDBERG, FREDRIK

20030813 EP/RIN1-A  
INVENTOR (CORRECTION)  
SVENSSON, INGELA



20031217 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT SE

20031217 EP/REG-A; GB/FG4D [+]  
GB: EUROPEAN PATENT GRANTED  
<GB>

20040129 EP/REF-A  
CORRESPONDS TO:  
(DE 69726835 20040129 [DE69726835])

UP - 2004-05

8 / 16 INPADOC - ©INPADOC

PN - HK 1017297 A1 20030228 [HK1017297]  
TI - TOOL FOR CUTTING MACHINING AND THE METHOD OF MOUNTING IT  
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA  
PA - SECO TOOLS AB [SE]  
AP - HK 99102637/99-A 19990621 [1999HK-0102637]  
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-000/00

9 / 16 INPADOC - ©INPADOC

PN - JP 2000500076 T2 20000111 [JP2000500076]  
AP - JP 511570/97-A 19970909 [1997JP-0511570]  
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00

10 / 16 INPADOC - ©INPADOC

PN - SE 9603325 A0 19960913 [SE9603325]  
TI - VERKTYG FOER SKAERANDE BEARBETNING  
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA  
PA - SECO TOOLS AB [SE]  
AP - SE 9603325/96-A 19960913 [1996SE-0003325]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-000/00

11 / 16 INPADOC - ©INPADOC

PN - SE 9603325 A 19980314 [SE9603325]  
TI - VERKTYG FOER SKAERANDE BEARBETNING  
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA  
PA - SECO TOOLS AB [SE]  
AP - SE 9603325/96-A 19960913 [1996SE-0003325]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/02

12 / 16 INPADOC - ©INPADOC

PN - SE 511429 C2 19990927 [SE-511429]  
TI - VERKTYG, SKAERDEL, VERKTYGSKROPP FOER SKAERANDE BEARBETNING SAMT  
METOD FOER MONTERING AV SKAERDEL TILL VERKTYGSKROPP  
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA

PA - SECO TOOLS AB [SE]  
AP - SE 9603325/96-A 19960913 [1996SE-0003325]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/02

13 / 16 INPADO - @INPADO

PN - US 2001033780 AA 20011025 [US20010033780]  
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING  
THE PIECES  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRICK [SE]; ARBRINK INGELA [SE]  
PA - BERGLUND MATTIAS [SE]; LUNDBERG FREDRICK [SE]; ARBRINK INGELA [SE]  
AP - US 878240/01-A 20010612 [2001US-0878240]  
PR - US 878240/01-A 20010612 [2001US-0878240]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
US 929462/97-A1 19970915 [1997US-0929462]  
IC - B23G-005/00

14 / 16 INPADO - @INPADO

PN - US 5971673 A 19991026 [US5971673]  
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING  
THE PIECES  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB [SE]  
AP - US 159584/98-A 19980924 [1998US-0159584]  
PR - US 159584/98-A 19980924 [1998US-0159584]  
SE 9603325/96-A 19960913 [1996SE-0003325]  
US 929462/97-A1 19970915 [1997US-0929462]  
IC - B23B-051/00

1 / 1 LEGALI - @EPO

PN - US5971673 A 19991026 [US5971673]  
AP - US15958498 19980924 [1998US-0159584]  
ACTE- 20010814 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010512  
UP - 2003-22

15 / 16 INPADO - @INPADO

PN - US 5988953 A 19991123 [US5988953]  
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING  
THE PIECES  
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]  
PA - SECO TOOLS AB [SE]  
AP - US 929462/97-A 19970915 [1997US-0929462]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00

16 / 16 INPADO - @INPADO

PN - WO 9810881 A1 19980319 [WO9810881]  
TI - TOOL FOR CUTTING MACHINING  
LA - ENG  
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA  
PA - SECO TOOLS AB PUBL [SE]

AP - WO SE 9701509/97(SE)-A 19970909 [1997WO-SE01509]  
PR - SE 9603325/96-A 19960913 [1996SE-0003325]  
IC - B23B-051/00; B23B-051/02  
DS - CN\* JP\* KR\* AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 1 LEGALI - ©EPO

PN - WO9810881 A1 19980319 [WO9810881]

AP - WOSE9701509 19970909 [1997WO-SE01509]

ACTE- 19980318 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:

(JP 1998 511570A [JP1998 511570])

19980319 WO/AK [+]

DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH  
REPORT

CN JP KR

19980319 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT

AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19980715 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN  
THIS APPLICATION

UP - 2003-22

Session finished: 03 FEB 2004 Time 15:01:14

QUESTEL. ORBIT thanks you. Hope to hear from you again soon.